
Product Data Sheet

Product Name: ATF Human
Cat. No.: GP22746
Batch No.: 1

Product Data

Purity	>98%	Source	Human serum.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Serotransferrin; Transferrin; Siderophilin; Beta-1-metal-binding globulin; TF; PRO1557; PRO2086; DKFZp781D0156; Apo Transferrin; ATF.		
Solubility	It is recommended to reconstitute the lyophilized Apo Transferrin in sterile 18MΩ-cm H ₂ O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	The protein (10mg/ml) was lyophilized from 20mM NH ₄ HC03 solution. May contain traces of buffer salts.		

Introduction

Transferrin is the iron-transport protein of vertebrate serum and donates iron to cells through interaction with a specific membrane receptor, CD71. Transferrin appears to be indispensable for most cells growing in tissue culture. It is referred to frequently as a growth factor because, in analogy to other growth factor-receptor interactions, proliferating cells express high numbers of transferrin receptors, and the binding of transferrin to their receptors is needed for cells to initiate and maintain their DNA synthesis. Apart from its role as an iron transport protein transferrin acts as a cytokine and has functions that may not be related to its iron-carrying capacity. Human Transferrin is a crucial component for the cultivation of mammalian cells in-vitro. Human Transferrin is Critical for long-term cells growth in-vitro. Human Transferrin is used as detoxificant in media by binding contaminating metal ions. Human Transferrin is often used as a nutrient in fermentation media for recombinant protein and biopharmaceutical production. Additional common uses of Human Transferrin are Molecular weight, Affinity purification of anti-human transferrin antibodies and also as receptor mediated transfection of molecules such as DNA, into cells.

Stability

Caution: Product has not been fully validated for medical applications. For research use only.

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Store the lyophilized Apo Transferrin between 2-8°C , do not freeze. Upon reconstitution Apo Transferrin should be stored at 4°C between 2-7 days and for future use below -18°C .Please prevent freeze-thaw cycles.

Background

Human Apo Transferrin is a glycoprotein of approximately 77 kDa.

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